

WHAT IS CLAIMED IS:

1. A composition for inhibiting carcinogenesis and metastasis, comprising a therapeutically effective amount of an Astragalus radix and Codonopsis pilosulae radix mixed extract.
- 5 2. The composition according to Claim 1, wherein the weight ratio of Astragalus radix:Codonopsis pilosulae radix in the mixed extract is from 3:1 to 1:3.
3. The composition according to Claim 1, wherein Astragalus radix is *Astragalus mogholicus* or *Astragalus membranaceus* radix.
- 10 4. The composition according to Claim 1, wherein Codonopsis pilosulae radix is *Codonopsis pilola* (Franch.) Nannf, *Codonopsis tangshen* Oliv., or *Codonopsis pilola* (Franch.) var. *modesta* (Nannf.) L. T. Shen radix.
5. The composition according to Claim 1, wherein the
15 composition is for inhibiting carcinogenesis and metastasis of colon cancer, lung carcinoma or mammary adenocarcinoma.
6. The composition according to Claim 1, which is in the form of tablet, capsule, solution, tonic, or food.
7. A method of producing the Astragalus radix and Codonopsis
20 pilosulae radix mixed extract according to Claim 1, comprising (A) co-extracting Astragalus radix and Codonopsis pilosulae radix with water.
8. The method according to Claim 7, wherein the weight ratio of Astragalus radix:Codonopsis pilosulae radix is from 3:1 to 1:3.
9. The method according to Claim 7, wherein the method
25 comprises:

(A11) co-extracting Astragalus radix and Codonopsis

pilosulae radix with water at a temperature of from 45 to 95 °C to separate a water-insoluble fraction from a water-soluble fraction; and

(A12) concentrating the water-soluble fraction at a temperature of from 40 to 80 °C and at a pressure of from 0 to 100 mmHg.

10. A method of producing the Astragalus radix and Codonopsis pilosulae radix mixed extract according to Claim 1, comprising (B) co-extracting Astragalus radix and Codonopsis pilosulae radix with water and ethanol.

11. The method according to Claim 10, wherein the weight ratio of Astragalus radix:Codonopsis pilosulae radix is from 3:1 to 1:3.

12. The method according to Claim 10, wherein the method comprises:

(B1) co-extracting Astragalus radix and Codonopsis pilosulae radix with 90 to 99 % ethanol to separate an ethanol-insoluble fraction from an ethanol-soluble fraction;

(B2) extracting the ethanol-insoluble fraction from step (B1) with water at a temperature of from 45 to 95 °C and obtaining a water-soluble fraction; and

(B3) combining the ethanol-soluble fraction from step (B1) and the water-soluble fraction from step (B2) and concentrating at a temperature of from 40 to 80 °C and at a pressure of from 0 to 100 mmHg.

13. The method according to Claim 7, comprising:

(A21) extracting Astragalus radix and Codonopsis pilosulae radix with water, respectively, to separate a water-insoluble fraction

from a water-soluble fraction;

(A22) ultra-filtrating the water-soluble fraction from step (A21) with an ultrafilter having a 5 to 10 kD molecular weight cutoff;

(A23) concentrating the filtrates from step (A22); and

5 (A24) combining and mixing filtrates of *Astragalus radix* and *Codonopsis pilosulae radix* from step (A23) to yield the *Astragalus radix* and *Codonopsis pilosulae radix* mixed extract.

14. The method according to Claim 13, wherein the weight ratio of *Astragalus radix*:*Codonopsis pilosulae radix* of step (A21) is from 3:1 to
10 1:3.

15. The method according to Claim 13, wherein extracting *Astragalus radix* and *Codonopsis pilosulae radix* with water in step (A21) is performed at a temperature of from 45 to 95 °C.

16. The method according to Claim 13, wherein ultra-filtrating the
15 water-soluble fraction of *Astragalus radix* and *Codonopsis pilosulae radix* in step (A22) is with an ultrafilter having a 5 kD molecular weight cutoff and then with an ultrafilter having a 10 kD molecular weight cutoff.

17. The method according to Claim 13, wherein concentrating the filtrates from step (A22) in step (A23) is performed at a temperature of
20 from 40 to 80 °C and at a pressure of from 0 to 100 mmHg.

18. The method according to Claim 7, comprising:

(A31) extracting *Astragalus radix* and *Codonopsis pilosulae radix* with water, respectively, to separate a water-insoluble fraction from a water-soluble fraction;

25 (A32) concentrating the water-soluble fractions from step (A31) at a temperature of from 40 to 80 °C and at a pressure of from

0 to 100 mmHg;

(A33) ultra-filtrating and ultra-dialying the concentrated water-soluble fraction from step (A32) with an ultrafilter having a 1 to 4000 kD molecular weight cutoff;

5 (A34) mixing the filtrates from step (A33) to yield the Astragalus radix and Codonopsis pilosulae radix mixed extract.

19. The method according to Claim 18, wherein the weight ratio of Astragalus radix:Codonopsis pilosulae radix of step (A31) is from 3:1 to 1:3.

10 20. The method according to Claim 18, wherein ultra-filtrating the concentrated water-soluble fraction from step (A32) of step (A33) is performed with a hollow fiber filtration cartridge and/or a cross-flow sluice cassette.